

05-16-97

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Commissioner for Patents  
P.O. Box 1450  
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7590

02/15/2005

Barry W. Chapin, Esq.  
Chapin & Huang, L.L.C.  
Westborough Office Park  
1700 West Park Drive  
Westborough, MA 01581

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Depositor's name  
Signature  
Date

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: APPARATUS AND METHODS FOR DETECTING ERRORS IN DATA

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE

Table with 3 columns: EXAMINER, ART UNIT, CLASS-SUBCLASS

- 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

- 2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1. Barry W. Chapin, Esq.
2. Chapin & Huang, LLC
3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

EMC Corporation

Hopkinton, Massachusetts

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

- Issue Fee
Publication Fee (No small entity discount permitted)
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Payment by credit card. Form PTO-2038 is attached.
The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-0901 (enclose an extra copy of this form).

Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

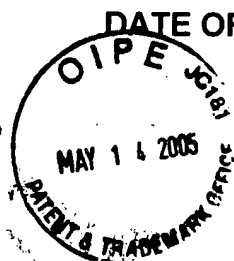
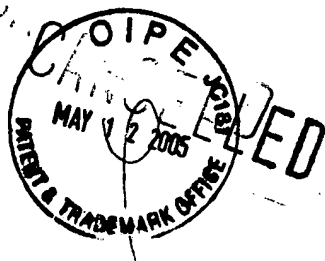
The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Barry W. Chapin, Esq.
Typed or printed name

Date May 13, 2005
Registration No. 39,934

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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DATE OF NOTICE OF ALLOWABILITY: February 15, 2005

ATTORNEY DOCKET NO.: EMC00-22(00076)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Humberto Rodriguez and Natan Vishlitzky  
Serial No.: 09/691,490  
For: APPARATUS AND METHODS FOR DETECTING ERRORS IN DATA  
Filing Date: October 18, 2000  
Examiner: Lamarre, Guy J.  
Art Unit: 2133  
Conf. No.: 5123

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: **MAIL STOP ISSUE FEE**, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450 on:

Date: May 13, 2005

By: Tammy L. Rosado  
(Typed or printed name of person mailing  
Document, whose signature appears below)

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Signature: Tammy L. Rosado

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**MAIL STOP ISSUE FEE**  
Commissioner for Patents  
PO Box 1450, Alexandria  
Virginia 22313-1450

**TRANSMITTAL LETTER**

Sir:

Enclosed is/are:

U.S. Application No.: 09/691,490

Attorney Docket No.: EMC00-22(00076)

- 2 -

- [x] Transmittal Letter (this form, 2 pages, in duplicate), Total Pages: 4;
- [x] Part B – Issue Fee Transmittal (1 page, in duplicate), Total Pages: 2;
- [x] Return Receipt Pre-paid Postcard (in duplicate), Total Postcards: 2;
- [x] Check in the amount of \$1,430.00 to cover Issue Fee and Advance Order of 10 Copies.

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600, in Westborough, Massachusetts.

Respectfully submitted,



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Attorney Docket No.: EMC00-22(00076)

Dated: May 13, 2005